

ENZYMATIC LABELING AND DETECTION  
OF DNA HYBRIDIZATION PROBES

**ABSTRACT OF THE DISCLOSURE**

- Methods and markers for identifying and detecting nucleic acids
- 5 using a linear amplification scheme are provided. The methods use chain extending enzymes, such as telomerases, to label probes hybridized to target nucleic acid products, including amplification products, to render them readily detectable. The methods may be performed as homogeneous or heterogeneous reactions. The methods provided herein
- 10 can be used with any known method involving detection of a hybridized probe.

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